

FIG. 1

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graph TD
    230([BEGIN RECEIVE MESSAGE PROCESSING]) --> 240{SLOT EMPTY?}
    240 -- NO --> 245[WAIT]
    245 --> 240
    240 -- YES --> 250[LOAD MESSAGE INTO MESSAGE SLOT]
    250 --> 260{EXISTING TAG QUEUE?}
    260 -- NO --> 275[SELECT EMPTY TAG QUEUE AND LOAD TAG]
    275 --> 280[REQUEST RESOURCES FOR PROCESSING MESSAGE]
    260 -- YES --> 265[LOAD TAG ONTO TAG QUEUE]
    265 --> 280
    280 --> 290([RECEIVE MESSAGE PROCESSING COMPLETE])
  
```

Fig. 2

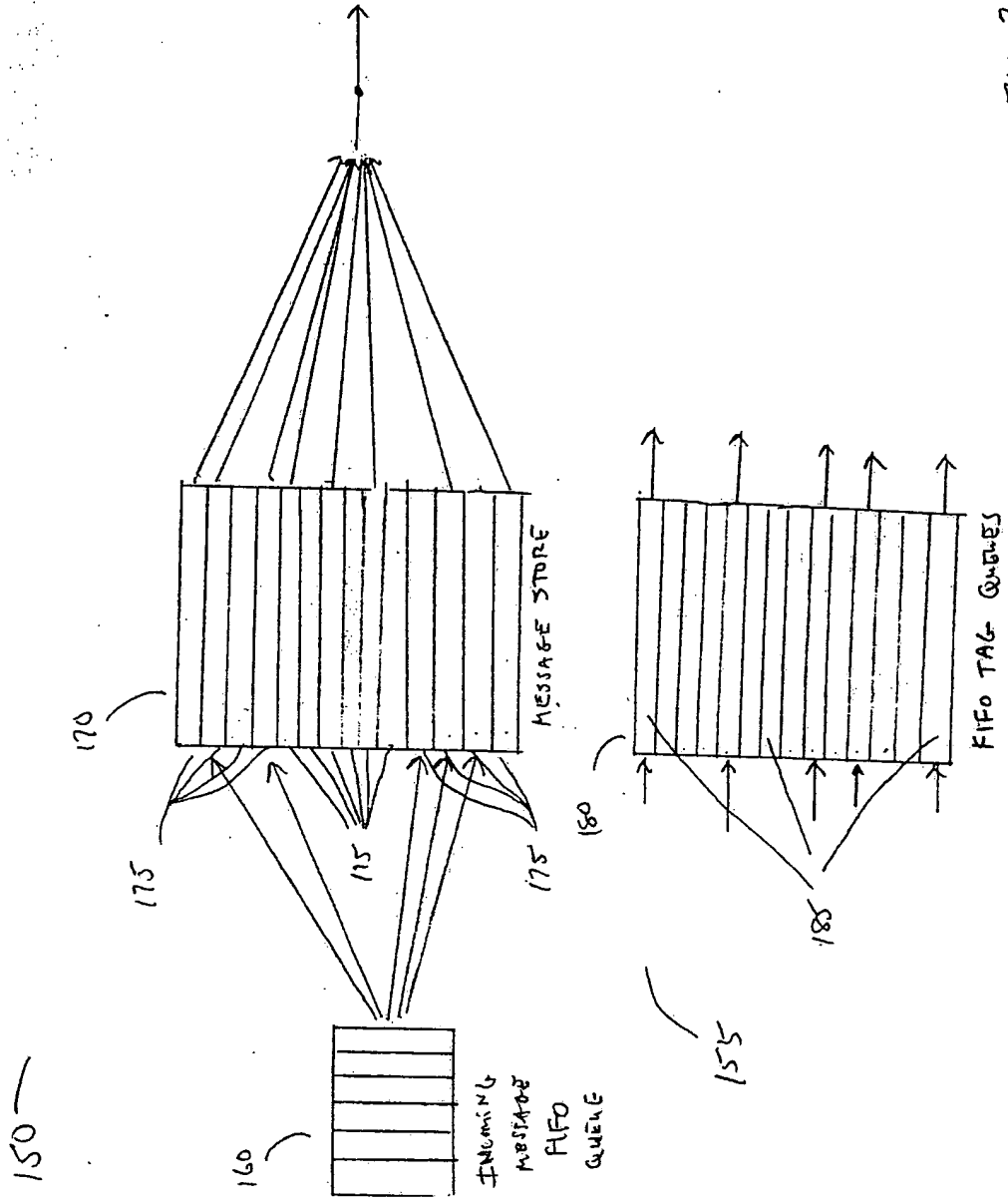


FIG 3

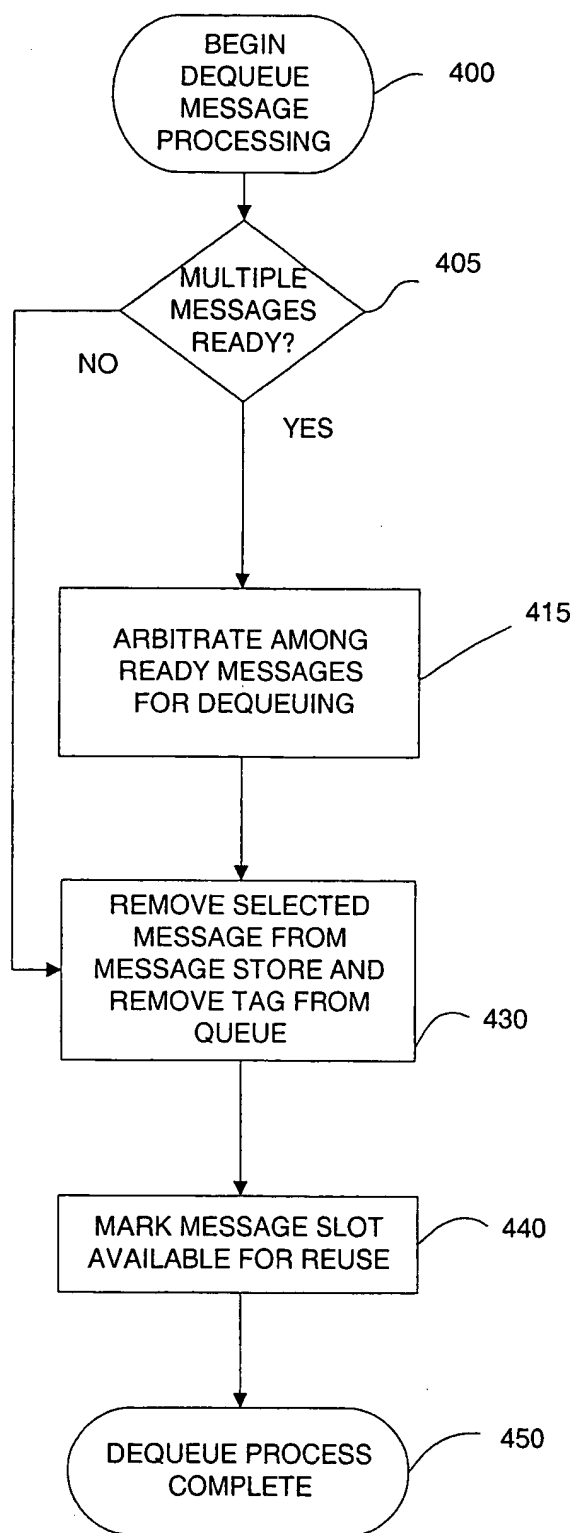


Fig. 4